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MEMORANDUM OF UNDERSTANDING
BETWEEN
FLUOR HANFORD INC. AND BECHTEL HANFORD, INC. .
FOR THE
I OOK AREA CONTRACTOR RESPONSIBILITIES

I. PURPOSE

This Agreement is Attachment 3 to the Memorandum of Agreement (MOA) between Bechtel Hanford, Inc. and Fluor Hanford Inc. (FHI). This agreement sets forth the agreements of the contractors with regard to coordinating their respective responsibilities at the 100 KE and KW Reactor Areas.

For specific division of responsibilities between FM and BI-11 with regard to removing debris and other waste from the KE and KW Basins for transport to the Environmental Restoration Disposal Facility (ERDF), see *Memorandum of Agreement between FDH Spent Nuclear Fuels and BHI for Packaging, Treatment, and Transport, and Disposal of K Basin Waste to ERDF*, dated December 28, 1999. For specific division of responsibilities between FHI and BI-11 with regard to the 1720K Administrative Office Building, see *Memorandum of Understanding between Fluor Hanford, Inc. and Bechtel Hanford, Inc for the 1720K Administrative Office Building*, dated March 2000.

II. LEAD CONTRACTOR AREAS

A. BHI is lead contractor for the following physical structures/facilities:

100-K	Riverlines (2)
182-K	Emergency Water Reservoir Pump House
1720-K	Administrative Office Building (excluding the equipment room, battery room & access hall to the rooms)
105-KE	Reactor Building (excluding basin/transfer bay area & office area)
110-KE	Gas Storage Facility
115-KE	Gas Recirculation Building
116-KE	Reactor Exhaust Stack
117-KE	Exhaust Air Filter Building

118-KE-2	Horizontal Control Rod Storage Cave
150-KE	Heat Recovery Station
166-KE	Oil Storage Vault
105-KW	Reactor Building (excluding basin/transfer area
	& office area)
105-KW	Process Water Tunnels
110-KW	Gas Storage Facility
115-KW	Gas Recirculation Building
116-KW	Reactor Exhaust Stack
117-KW	Exhaust Air Filter Building
118-KW-2	Horizontal Control Rod Storage Cave
119-KW	Exhaust Air Sample Building
150-KW	Heat Recovery Station
165-KW	Power Control Building (excluding switchgear
	portion of building)
166-KW	Oil Storage Vault
181-KW	River Pumphouse
183-KW	Pipe Tunnel
183-KW	Filter Plant (excluding chlorine vault, 183.1-KW)
190-KW	Process Water Pumphouse

The structures listed below are in the process of being transferred from BHI to FHI. Until the appropriate transfer/contract documents have been completed, FM and its subcontractor personnel shall be responsible for all of their activities conducted in the facilities listed below.

167-K	Cross-tie Tunnel Building
105-KE	Process Water Tunnels
183-KE	Pipe Tunnel
1713-KER	Warehouse

- B. FHI is the lead contractor for the general area within the fence surrounding the 100 K area. FHI is lead contractor for all physical structures/facilities not listed in paragraph A, above, including those portions of physical structures/facilities excluded from BM's lead contractor list.

III. FACILITY ACCESS AND CONTROL

- A. Facility access control is maintained by means of physical locks and key control in accordance with applicable contractor procedures. Except as described in paragraph C below, each contractor shall maintain individual access control to the facilities and portions of facilities for which it is lead contractor (designated in Section II of this Agreement). In addition, access shall be limited in the excluded portions of the buildings as designated in Section II of this Agreement to the particular areas the

specified contractor has responsibilities to control per the requirements of this MOU.

- B. Except in an emergency situation, to perform work under authorized work order, or as specified in paragraph C below, neither contractor's personnel shall enter any facility or portion of a facility for which the other contractor is lead contractor without prior notice and approval. Notice shall be provided as follows:

1. BM shall coordinate in advance with the following individual or his/her designee prior to entry into a facility or portion of a facility for which FM is lead contractor. BM personnel entering through a K Basin access point for entry into a BM area shall check in with the Shift Manager as required by FHI.
FHI K Basins Operations Manager
2. FIE shall coordinate in advance with the following individual or his/her designee prior to entry into a facility or portion of a facility for which BHI is lead contractor.
BHI Facility Administrator

- C. FBI and its subcontractor personnel are required to perform regular inspections of FHI operated equipment located within the BHI lead contractor areas of the 105 KE/KW Reactor Buildings and the 165-KW Power Control Building. BM has provided a key to the FM K Basins Shift Manager and agrees that such routine unescorted entries may continue to occur subject to all of the conditions and requirements of this Agreement, except that the requirement to provide advance notice of each such entry shall not apply.

Permission for routine/unescorted entry is limited to:

1. access necessary to perform required inspections, repairs and/or replacement of the air compressor located in the supply fan room mezzanine and the electrical distribution equipment located in the 105KE/KW Reactor Buildings.
2. access necessary to utilize and maintain equipment located in the switchgear portion of the 165-KW Power Control Building.

- D. **FBI** shall assure that all requirements for entry specified in this Agreement are met by all FM personnel and FIE subcontractor personnel entering BHI lead contractor areas and shall appropriately maintain all documents required by this Agreement with regard to such entry. FM shall be responsible for all activities associated with its entries into BI-11 lead contractor facilities. Failure to meet any of the entry requirements, including appropriate documentation requirements, shall void the unescorted access authorization provided in paragraph C above, and shall require FHI to arrange for a BM escort for all subsequent entries.
- E. FBI shall meet the following requirements for any entry by FM personnel or FHI subcontractors into a facility or portion of a facility for which BIB is lead contractor:
1. Compliance with Law
FHI personnel entering into BHI lead contractor areas shall at all times comply with all applicable laws, regulations, DOE Orders, permits and plans.
 2. Safety Requirements:
Personal Protective Equipment (PPE) as a minimum shall consist of hard hats, safety glasses with side shields, and substantial foot protection. Substantial foot protection consists of shoes that cover above the ankle with leather or equivalent uppers and substantial soles of leather, rubber, or similar material. Additional PPE may be required for work being performed and shall be reviewed prior to any work activity. Adequate lighting must be provided to personnel. Where emergency backup lighting is not available, flashlights or other backup lighting must be on-hand.
The buddy system shall be followed. If personnel separate within the facility, they must make contact with each other at least once an hour. In addition, a radio or telephone shall be available for emergency notifications.

Personnel shall be aware of the hazards associated with any facility area they enter, and must contact the BM Facility Administrator or authorized designee prior to entering unfamiliar areas.

3. Radiological Requirements:

All personnel entering the 105KE/KW Reactor Buildings and the 165-KW Power Control Building utilizing the unescorted access privilege for the purposes permitted under paragraph 3 above, shall enter the facility under the authority of an approved FHI Radiation Work Permit (RWP) and Radiological Procedure(s) (RP) applicable to the area to be entered. FM personnel are responsible for complying with all FM RWP and RP requirements. FM shall provide all Radiological Control Technicians required to support the activities within the 105-KE/KW and 165KW, as applicable.

FM personnel shall make determinations of applicable training requirements for FM and its subcontractor personnel entries into BHI lead contractor facilities.

FHI shall not place or store radioactive or any other material in BM lead contractor areas without prior written approval of the BHI Rad Con manager and the BM Facility Administrator.

FHI shall not alter any radiological or provide supplemental postings in BHI lead contractor areas without prior written approval from the BHI Rad Con manager.
4. Escorted Access Requirements:

Escorted access requires a facility specific hazards briefing in accordance with the Environmental Restoration Contractor (ERC) 100 K Site Specific Health & Safety Plan 0100-SSHP-60001 (latest revision) conducted by a qualified escort or the BHI Facility Administrator or authorized designee. While being escorted, the escortee shall follow the instructions of the escort at all times.

Escorts must be familiar with the hazards particular to the facility where they are escorting and must be qualified for unescorted access as described below.
5. Unescorted Access Requirements:

The following requirements must be met for unescorted access to the areas as specified in paragraph 3 above:

- a. An access control log will be maintained at the 105KE/KW Reactor facilities described in paragraph C above. The access log will contain a copy of the ERC 100 K Site Specific Health & Safety Plan 0100-SSHP-60001 (latest revision). This log is for the purpose of documenting personnel entry and exit of the facilities, accountability of personnel, and to document personnel have read and understand the ERC 100K Site Specific Health & Safety Plan 0100-SSHP GOOOI (latest revision) for the unescorted access privilege into the 105-KE/KW Reactor Buildings and the 165-KW Power Control Building.
 - b. Access control for other subcontractor personnel supporting FHI and requiring access to BM lead contractor facilities, is the responsibility of FHI. FHI's subcontractor personnel must adhere to the ERC requirements set forth in this document.
6. Lock and Key Requirements:
FM shall re-lock the facility or area immediately following each authorized entry. Only authorized personnel shall receive a facility key which can be issued only by the BHI Facility Administrator or authorized designee. (see Section III, Paragraph C above.)
 7. Confined Space Entry
FIE shall obtain and comply with all requirements of an appropriate confined space entry permit for any entry through a BHI lead contractor area into a confined space. FHI shall provide BHI with copies of all such permits on a monthly basis.

IV. HAZARDOUS MATERIAL, POSTINGS, WASTE HANDLING, AND DISPOSAL

- A. Neither contractor shall place or store any hazardous or waste material into any area for which the other contractor is lead contractor without the prior written approval of that contractor.

Neither contractor shall alter any postings in any area which the other contractor is lead contractor without the prior written approval of the contractor.

IN WITNESS WHEREOF, the Parties have executed this MOU.


FLUOR HANFORD, INC.

BECHTEL HANFORD, INC.

By:

L. J c sen, Director

Reviewed

By:  _____

J. C ghos, President Bec
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Fluor Hanford Inc

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Date: